Dear colleagues,

Modern energy concepts of settlements and neighborhoods with an increasing share of renewable, decentralized energy supply will be the future. Buildings are on their way of transformation from energy consumers to active energy suppliers. The planning of optimized but increasingly complex building energy systems can be facilitated and realized through the use of simulation-based planning tools.

Interdisciplinary networking is an important instrument for the holistic analysis of buildings that are no longer to be seen as isolated constructions, but in interaction with the infrastructure surrounding them. The integration of research results from different domains plays an increasingly important role.

The CESBP 2016 and BauSIM 2016 are hosted under a common organizational roof in order to promote the networking of national and international research groups from very different fields. Through their complementary contents and thematic orientation both conferences offer participants many opportunities to open up new fields of knowledge and to develop personal networks further.

The conference program of the CESBP 2016 integrates in addition to the classic building physical applications and new developments a strong focus ranging from energy-efficient construction up to plus-energy concepts for settlements and neighborhoods. The complementary program of the BauSIM 2016 addresses diverse technologies of application and further development of modern simulation-based planning tools with a special focus on building energy systems and services on the one hand, but also with respect to the more general areas of construction research.

The conference language of the CESBP 2016 is English. Both German and English contributions are welcome for the BauSIM 2016. We wish us all a good success of both conferences. Their combination constitutes in this form on the one hand a novelty; on the other hand it is also an obvious and logical next step on the way to net-zero energy buildings.

John Grunewald & Clemens Felsmann

Contact

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VENUE

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Ostra-Ufer 2
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www.dresden-congresscenter.de

Deadlines

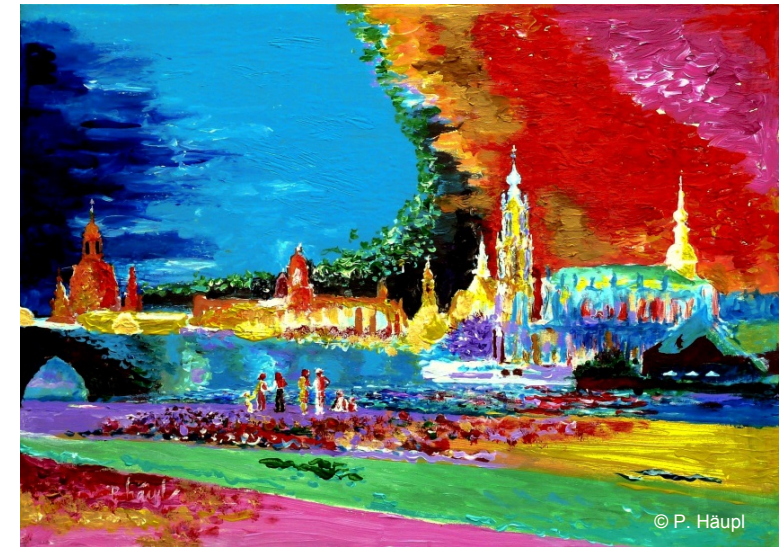### REGISTRATION

Please see www.cesbp2016.de for details on registration.

Early Registration: until June 15, 2016
Standard Registration: until September 6, 2016*

*After this date, registration is only possible on-site at the registration counter.

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Central European Symposium on Building Physics 2016/ BauSIM 2016

14. – 16. September 2016, Dresden

www.cesbp2016.de
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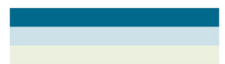
IBPSA
Germany
Austria

Topics and Preliminary Schedule

Topics CESBP 2016

Building materials and envelope systems

Human comfort, health and indoor air quality

Usability and safety of buildings

Integral energy concepts for buildings and neighborhoods

Urban physics

Topics BauSIM 2016

Building – System – Human

Modeling and simulation of building life cycle

Numerical procedures, optimizing and implementation

Dataflow, coupling of simulation programs

Product data, databases

Validation scenarios, quality management

Energy-related building monitoring & optimizing operations

Teaching, training & further education in the field of simulation

Knowledge transfer into simulation practice / case studies

Wednesday, September 14

Time	Session
08:00	Registration opens
09:00-09:20	Opening Ceremony
09:20-11:20	Gebäude - Anlage - Mensch 1
11:20-12:50	Lunch Break
12:50-14:50	Building materials and envelope systems 1
14:50-15:20	Coffee Break
15:20-17:20	Energieeffizienz und Betriebsoptimierung 1

Thursday, September 15

Time			
08:30-10:00 Building materials and envelope systems 2	08:30-10:00 Integral energy concepts for buildings and neighborhoods 1	08:30-10:00 Modellierung und Simulation im Lebenszyklus von Gebäuden 1	08:30-10:00 Datenflussketten, Kopplung von Simulationsprogrammen 1
10:00-10:30 Coffee Break			
10:30-12:00 Building materials and envelope systems 3	10:30-12:00 Integral energy concepts for buildings and neighborhoods 2	10:30-12:00 Modellierung und Simulation im Lebenszyklus von Gebäuden 2	10:30-12:00 Datenflussketten, Kopplung von Simulationsprogrammen 2
12:00-13:30 Lunch Break			
13:30-15:00 Building materials and envelope systems 4	13:30-15:00 Energetisches Gebäudemonitoring & Betriebsoptimierung 1	13:30-15:00 Modellierung und Simulation im Lebenszyklus von Gebäuden 3	13:30-15:00 Datenflussketten, Kopplung von Simulationsprogrammen 3
15:00-15:30 Coffee Break			
15:30-17:00 Building materials and envelope systems 5	15:30-17:00 Energetisches Gebäudemonitoring & Betriebsoptimierung 2	15:30-17:00 Modellierung und Simulation im Lebenszyklus von Gebäuden 4	15:30-17:00 Validierungsszenarien, Qualitätssicherung

from 19:00 Conference Dinner
(Advance registration/ payment is required.)

Friday, September 16

Time			
08:30-10:00 Urban physics 1	08:30-10:00 Human comfort, health and indoor air quality 1	08:30-10:00 Gebäude - Anlage - Mensch 2	08:30-10:00 Numerische Lösungsverfahren, Optimierung und Implementierung 1
10:00-10:30 Coffee Break			
10:30-12:00 Usability and safety of buildings 1	10:30-12:00 Human comfort, health and indoor air quality 2	10:30-12:00 Gebäude - Anlage - Mensch 3	10:30-12:00 Numerische Lösungsverfahren, Optimierung und Implementierung 2
12:00-13:30 Lunch Break			
13:30-15:00 Usability and safety of buildings 2	13:30-15:00 Human comfort, health and indoor air quality 3	13:30-15:00 Gebäude - Anlage - Mensch 4	13:30-15:00 Wissenstransfer für die Simulationspraxis/ Ausgewählte Praxisbeispiele 1
15:00-15:30 Coffee Break			
15:30-17:00 Usability and safety of buildings 3	15:30-17:00 Urban physics 2	15:30-17:00 Energieeffizienz und Betriebsoptimierung 2	15:30-17:00 Wissenstransfer für die Simulationspraxis/ Ausgewählte Praxisbeispiele 2
17:00-17:20 Closing Ceremony			

Saturday, September 17: Workshops from 09:00-16:00
at Construction Research Center CRC - Zentrum für Bauforschung ZfBau,
Technische Universität Dresden
(Please refer to the conference website for more information)

Legend:
- CESBP/ BauSIM
- CESBP
- BauSIM

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